

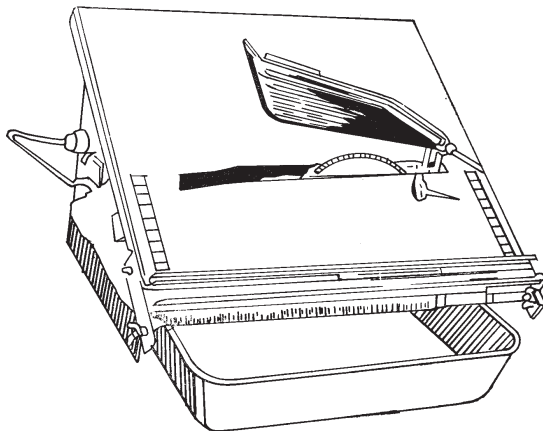
**CHICAGO**  
**Electric<sup>®</sup>Power Tools**

# 7" TILE SAW

**Chrome Plated - Bench Top**

**Model 40315**

## ASSEMBLY AND OPERATING INSTRUCTIONS



**TO PREVENT SERIOUS INJURY,  
READ AND UNDERSTAND ALL WARNINGS  
AND INSTRUCTIONS BEFORE USE.**

3491 Mission Oaks Blvd., Camarillo, CA 93011  
Visit our Web site at: <http://www.harborfreight.com>

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**For technical questions, please call 1-800-444-3353.**

Manual Revised 04/05

## PRODUCT SPECIFICATIONS

Item	Description
Electrical Requirements	120VAC / 60Hz / 4.8 Start Up Amps 3565 RPM Power Cord Plug Type: 3 Prong, Grounded Power Cord Length: 7 Feet
Cutting Wheel Size/Type	7" Diameter / Rated 8500 RPM / Wet Diamond Bonded
Cutting Wheel RPM Rating	Minimum 3600 RPM
Material Cutting Capacity	Maximum 12" Wide x 1" High
Rotating Angle of Table	0°-45° in 1° Increments
Table Dimensions	15-3/4" x 16-1/2" x 7-13/16"
Accessories	Diagonal Cutting Fixture / Plastic Tub / 7" Cutting Wheel
Unit Weight	32.5 Pounds



## SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

## GENERAL SAFETY RULES



### WARNING!

**READ AND UNDERSTAND ALL INSTRUCTIONS**  
Failure to follow all instructions listed below may result in  
electric shock, fire, and/or serious injury.


**SAVE THESE INSTRUCTIONS**

### WORK AREA

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.

3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control. Protect others in the work area from debris such as chips and sparks. Provide barriers or shields as needed.

### **ELECTRICAL SAFETY**

4. **Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.** If the tools should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.
5. **Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double insulation  eliminates the need for the three wire grounded power cord and grounded power supply system.
6. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators.** There is an increased risk of electric shock if your body is grounded.
7. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
8. **Do not abuse the Power Cord. Never use the Power Cord to carry the tools or pull the Plug from an outlet. Keep the Power Cord away from heat, oil, sharp edges, or moving parts. Replace damaged Power Cords immediately.** Damaged Power Cords increase the risk of electric shock.
9. **When operating a power tool outside, use an outdoor extension cord marked “W-A” or “W”.** These extension cords are rated for outdoor use, and reduce the risk of electric shock.

### **PERSONAL SAFETY**

10. **Stay alert. Watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.

11. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
12. **Avoid accidental starting. Be sure the Power Switch is off before plugging in.** Carrying power tools with your finger on the Power Switch, or plugging in power tools with the Power Switch on, invites accidents.
13. **Remove adjusting keys or wrenches before turning the power tool on.** A wrench or a key that is left attached to a rotating part of the power tool may result in personal injury.
14. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the power tool in unexpected situations.
15. **Use safety equipment. Always wear eye protection.** Dust mask, nonskid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

#### **TOOL USE AND CARE**

16. **Use clamps (not included) or other practical ways to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
17. **Do not force the tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
18. **Do not use the power tool if the Power Switch does not turn it on or off.** Any tool that cannot be controlled with the Power Switch is dangerous and must be replaced.
19. **Disconnect the Power Cord Plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
20. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
21. **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with a sharp cutting edge are less likely to bind and are easier to control. Do not use a damaged tool. Tag damaged tools “Do not use” until repaired.

22. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
23. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool may become hazardous when used on another tool.

### SERVICE

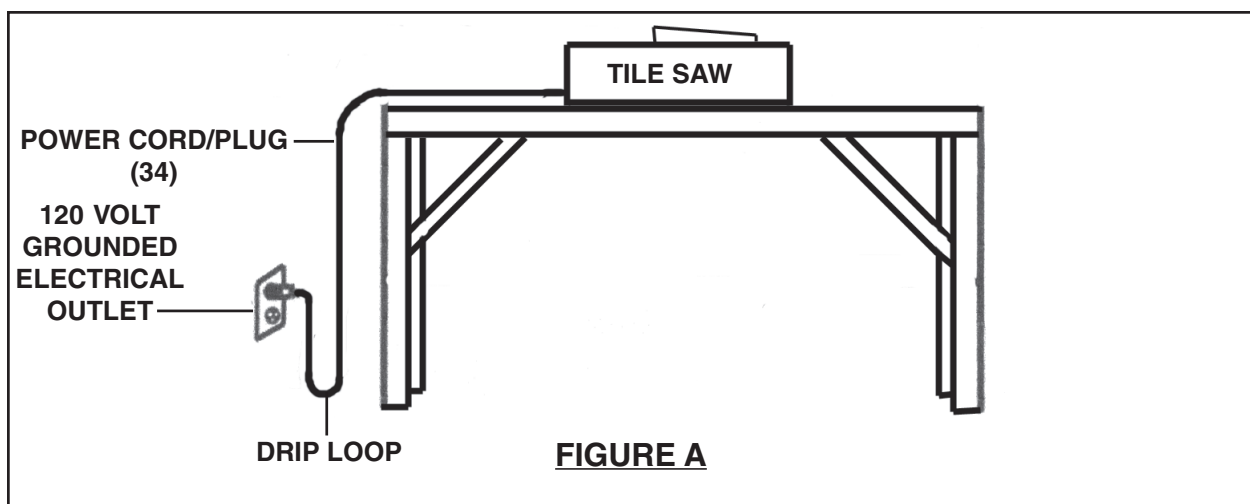
24. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
25. **When servicing a tool, use only identical replacement parts. Follow instructions in the “*Inspection, Maintenance, And Cleaning*” section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.




## SPECIFIC SAFETY RULES

1. **Avoid serious eye injury.** ALWAYS wear ANSI-approved safety impact eye glasses underneath an ANSI-approved safety impact full face shield when assembling and operating the Tile Saw.
2. **Dress safely.** Do not wear loose clothing or jewelry as they can become caught in moving parts. Wear a protective hair covering to prevent long hair from becoming caught in moving parts. If wearing long-sleeve shirt, roll sleeves up above the elbows.
3. **Make sure the Power Switch (21) is in its “OFF” position before plugging the Power Cord/Plug (34) into an electrical outlet.**
4. **Do not abuse the Power Cord/Plug (34).** Do not pull the Power Cord to disconnect the Plug from an electrical outlet. Do not move the Tile Saw with the Power Cord/Plug in the outlet. Keep the Power Cord/Plug away from heat, oil, sharp, edges, and its own Cutting Wheel Blade (8).
5. **Never leave the Tile Saw unattended while it is running.** Always turn off the tool, unplug the tool from its electrical outlet, and wait until its Cutting Wheel Blade (8) stops rotating before leaving the area.
6. **Do not handle the Power Switch (21) or Power Cord Plug (34) with wet hands.**
7. **Keep all Guards in place and in proper working order.**

8. **Industrial applications must follow OSHA requirements.**
9. **Remove adjusting keys and wrenches.** Check to make sure all adjusting keys and wrenches are removed from this tool before turning it on.
10. **Never attempt to remove material stuck in the moving parts of the Tile Saw while the tool is turned on, plugged in, or running.**
11. **When replacing the Cutting Wheel Blade (8) make sure it is replaced with a 7" diameter, minimum 8500 RPM rated, 1" round arbor hole, wet diamond bonded Cutting Wheel Blade.**
12. **To avoid accidental injury, always wear heavy duty work gloves when changing the Cutting Wheel Blade (8).**
13. **Make sure the Cutting Wheel Blade (8) is wet at all times when cutting.**
14. **When operating the Tile Saw, always make sure to fill the Tray (17) with enough clean, cold water to cover the lower edge of the Cutting Wheel Blade (8), but not so deep as to spill over the edge of the Tray.** Make sure the water supply for the Tile Saw is not dirty, sandy, and does not contain any corrosive chemical products. Change the water when necessary while in use and rinse out the Tray (17) after every use.
15. **Keep hands and fingers away from the cutting area and Cutting Wheel Blade (8).** Use a "push stick" (not included) if necessary.
16. **Check Blade Guard (49) for proper up/down movement before each use.** Do not operate the Tile Saw if the Blade Guard does not move freely. Make sure the Blade Guard moves freely and does not touch the Cutting Saw Blade (8) or any other part of the Tile Saw, in all angles and depths of cut.
17. **Make sure the Tile Saw is located on a flat, level, sturdy surface capable of supporting the weight of the Tile Saw, workpieces, and any additional tools.**
18. **Use the Tile Saw only for cutting ceramic tile, quarry tile, marble, terra cotta, and slate with a maximum thickness of 1 inch.**
19. **Do not use the Tile Saw for cutting metals or for cutting curves.**
20. **Before using the Tile Saw, make sure the Cutting Wheel Blade (8) is properly mounted on the Saw Arbor.** Make sure the Blade is balanced, and is not cracked or bent.
21. **The Cutting Wheel Blade (8) will become hot while cutting.** Allow the Blade to completely cool before handling.
22. **Allow the Cutting Wheel Blade (8) to spin up to full speed before feeding a workpiece into it.** When turning off the Tile Saw, allow the Cutting Wheel Blade to spin down and stop on its own. Do not press against the Blade to stop it.

23. **Do not force the workpiece into the Cutting Wheel Blade (8) when cutting.** Apply moderate pressure, allowing the Blade to cut without being forced.
24. **Turn off the Tile Saw and allow the Cutting Wheel Blade (8) to stop on its own if the Blade is to be backed out of an uncompleted cut.**
25. **Never attempt to cut more than one tile at a time.**
26. **Never attempt to cut freehand.** Make sure the tile to be cut is pressed firmly against the Cutting Guide (57).
27. **Make sure the Table (51) and surrounding area are clear with the exception of the tile to be cut.**
28. **Keep all electrical connections dry and off the ground.**
29. **Always arrange a “drip loop” in the Power Cord (34) connecting the Tile Saw to a 120 volt, grounded, electrical outlet.** A drip loop is that part of the Power Cord below the level of the outlet, or the connector if an extension cord is used, to prevent water from traveling along the Power Cord and coming in contact with the outlet. If the Power Plug or electrical outlet does get wet, do not unplug the Power Cord. Disconnect the fuse or circuit breaker that supplies power to the outlet. Then, unplug and examine for presence of water in the outlet. **(See Figure A.)**



30. **Avoid splashing water on the Motor (42), Power Switch (21), Power Cord/ Plug (34), or any other electrical component.**
31. **Make sure to stand on a dry, insulated surface such as a rubber mat while using the Tile Saw.**
32. **Never attempt to stand on the Tile Saw.** Doing so may cause the Saw to tip, causing personal injury and/or property damage.
33. **Turn off the Tile Saw, unplug its Power Cord/Plug (34) from its 120 volt, grounded, electrical outlet, and allow the tool to completely stop prior to performing any inspection, maintenance, or cleaning on the unit.**
34. **Use the right tool or attachment for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this product was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this product, and do not use this product for a purpose for which it was not intended.
35.  **WARNING!** People with pacemakers should consult their physician(s) before using this product. Operation of electrical equipment in close proximity to a heart pacemaker could cause interference or failure of the pacemaker.
36.  **WARNING!** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contain chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are: lead from lead-based paints, crystalline silica from bricks and cement or other masonry products, arsenic and chromium from chemically treated lumber. Your risk from these exposures varies, how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. *(California Health & Safety Code 25249.5, et seq.)*
37.  **WARNING!** The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

### **SAVE THESE INSTRUCTIONS**



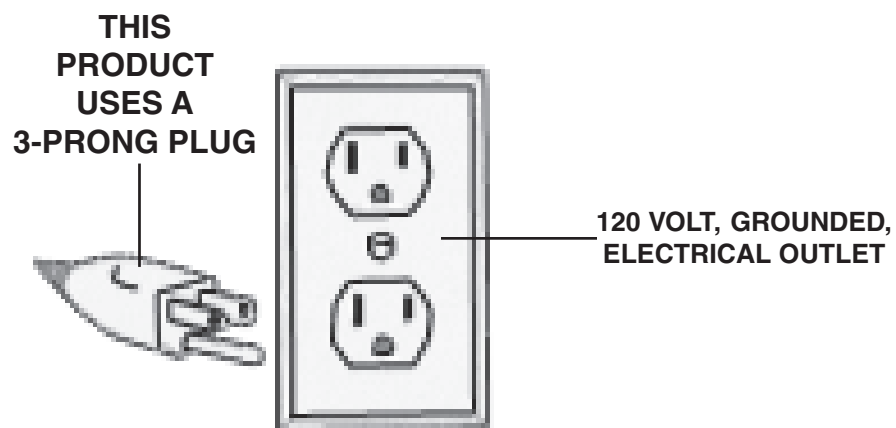
## GROUNDING

### WARNING!

Improperly connecting the grounding wire can result in the risk of electric shock. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool. Never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

### GROUNDING TOOLS: TOOLS WITH THREE PRONG PLUGS

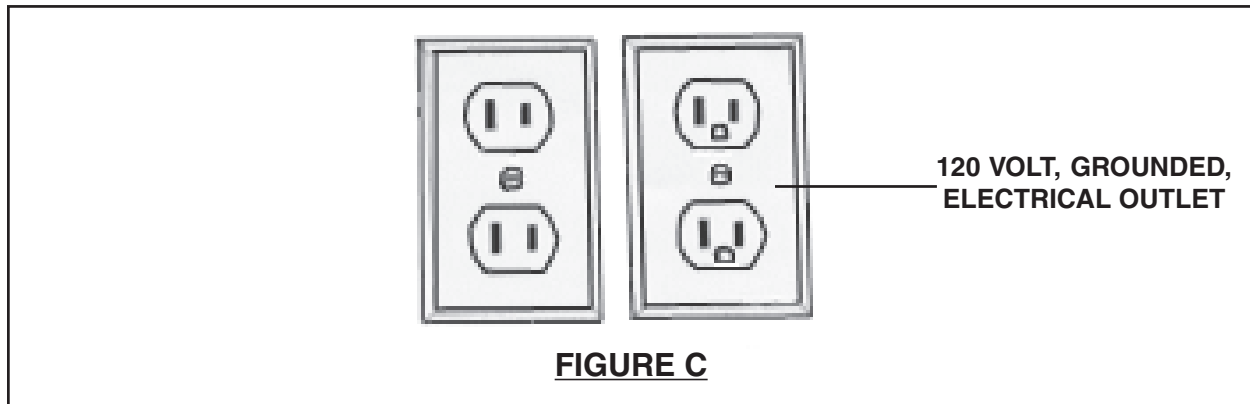
1. Tools marked with “Grounding Required” have a three wire cord and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk of electric shock. **(See Figure B.)**
2. The grounding prong in the plug is connected through the green wire inside the cord to the grounding system in the tool. The green wire in the cord must be the only wire connected to the tool’s grounding system and must never be attached to an electrically “live” terminal. **(See Figure B.)**
3. Your tool must be plugged into an appropriate outlet, properly installed and grounded in accordance with all codes and ordinances. The plug and outlet should look like those in the following illustration. **(See Figure B.)**



**FIGURE B**

## DOUBLE INSULATED TOOLS: TOOLS WITH TWO PRONG PLUGS

4. Tools marked “Double Insulated” do not require grounding. They have a special double insulation system which satisfies OSHA requirements and complies with the applicable standards of Underwriters Laboratories, Inc., the Canadian Standard Association, and the National Electrical Code. **(See Figure C.)**
5. Double insulated tools may be used in either of the 120 volt outlets shown in the following illustration. **(See Figure C.)**



## EXTENSION CORDS




1. ***Grounded*** tools require a three wire extension cord. ***Double Insulated*** tools can use either a two or three wire extension cord.
2. As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. **(See Figure D, next page.)**
3. The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord. **(See Figure D.)**
4. If using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required. **(See Figure C.)**
5. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum cord size. **(See Figure D.)**

6. If you are using an extension cord outdoors, make sure it is marked with the suffix "W-A" ("W" in Canada) to indicate it is acceptable for outdoor use.
7. Make sure your extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it.
8. Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

<b>RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS*</b> <b>(120 VOLT)</b>					
<b>NAMEPLATE AMPERES (At Full Load)</b>	<b>EXTENSION CORD LENGTH</b>				
	<b>25 Feet</b>	<b>50 Feet</b>	<b>75 Feet</b>	<b>100 Feet</b>	<b>150 Feet</b>
<b>0 – 2.0</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>16</b>
<b>2.1 – 3.4</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>16</b>	<b>14</b>
<b>3.5 – 5.0</b>	<b>18</b>	<b>18</b>	<b>16</b>	<b>14</b>	<b>12</b>
<b>5.1 – 7.0</b>	<b>18</b>	<b>16</b>	<b>14</b>	<b>12</b>	<b>12</b>
<b>7.1 – 12.0</b>	<b>18</b>	<b>14</b>	<b>12</b>	<b>10</b>	<b>-</b>
<b>12.1 – 16.0</b>	<b>14</b>	<b>12</b>	<b>10</b>	<b>-</b>	<b>-</b>
<b>16.1 – 20.0</b>	<b>12</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>
* Based on limiting the line voltage drop to five volts at 150% of the rated amperes.					

**FIGURE D**

## SYMBOLOLOGY

	Double Insulated
	Canadian Standards Association
	Underwriters Laboratories, Inc.
<b>V ~</b>	Volts Alternating Current
<b>A</b>	Amperes
no <b>xxxx</b> /min.	No Load Revolutions per Minute (RPM)

**FIGURE E**

## UNPACKING



When unpacking, check to make sure all the parts shown on the **Parts List on page 16** are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

## ASSEMBLY AND OPERATING INSTRUCTIONS

### NOTE:

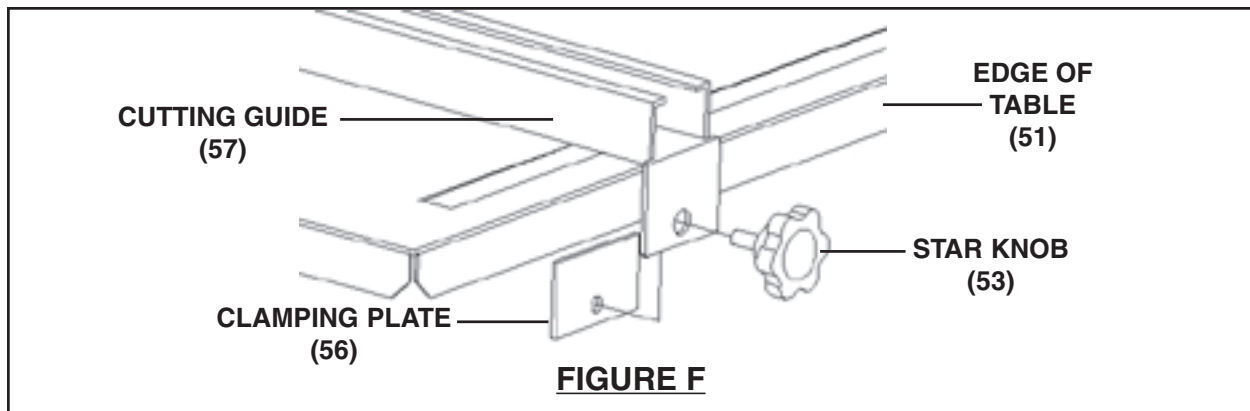
For additional references to the parts mentioned in the following pages, refer to the **Assembly Diagram on page 17**.

### To Permanently Mount The Tile Saw On A Workbench:

1.  **WARNING!** Make sure the **Power Switch (21)** of the Tile Saw is in its **“OFF”** position and its **Power Cord/Plug (34)** is unplugged from the electrical outlet prior to performing any assembly.
2. The Tile Saw may be *temporarily* placed upon a workbench for use. Also, the Tile Saw may be *permanently* mounted on a workbench.
3.  **CAUTION!** Make sure the workbench on which the Tile Saw will be temporarily or permanently used is flat, level, and sturdy enough to support the weight of the Tile Saw, any workpieces, and any additional tools.
4. To *permanently* mount the Tile Saw on a workbench, place the Tile Saw in the desired work location on the workbench. Use the four **7/16” wide x 3-1/2” long** mounting slots at the base of the Inner Cover (16) as a template to mark the areas where four **7/16” diameter** mounting holes should be drilled through the workbench.
5. Temporarily remove the Tile Saw, and drill the four 7/16” diameter mounting holes through the workbench, making sure no hidden electric cords or cables are in the drilling path.
6. Once the mounting holes are drilled, align the four 7/16” wide x 3-1/2” long mounting slots in the base of the Inner Cover (16) with the four predrilled mounting holes in the workbench. Secure the Tile Saw to the workbench, using four appropriate length Bolts, Lock Washers, and Nuts (not included).

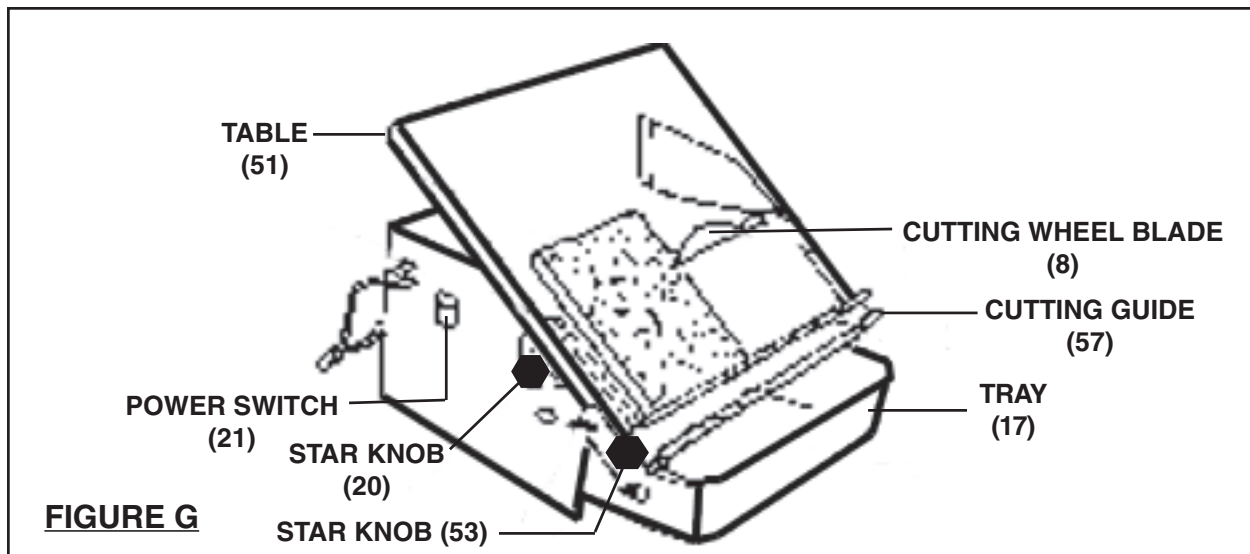
### **To Attach The Star Knob:**


1. The Star Knob (53) is used to lock the Cutting Guide (57) in position. The Cutting Guide is used to set the desired *width* of cut when cutting a workpiece. **(See Figure F.)**
2. To attach the Star Knob (53), place the Cutting Guide (57) on the Table (51) of the Tile Saw. Place the Clamping Plate (56) behind the edge of the Table. Insert the threaded portion of the Star Knob through the Cutting Guide and screw the Star Knob into the Clamping Plate. **(See Figure F.)**





### **To Prepare To Cut:**

1. Fill the Tray (17) with water and carefully slide the Tray under the Cutting Wheel Blade (8). Make sure the water level is deep enough to cover the lower edge of the Cutting Wheel Blade, but not so deep as to spill over the edge of the Tray. **(See Figure G.)**



2. Loosen the Star Knob (20), and adjust the Cutting Guide (57) to the desired cutting *width*. Then, retighten the Star Knob. **(See Figure G.)**
3. If necessary, loosen the second Star Knob (20) and tilt the Table (51) to adjust the *angle* of the cut. Then, retighten the Star Knob. **(See Figure G.)**
4. Connect the Power Cord/Plug (34) of the Tile Saw to the nearest 120 volt, grounded, electrical outlet.
5. **Put on your ANSI-approved safety impact eye glasses underneath an ANSI-approved safety impact full face shield.**
6. Turn the Power Switch (21) to its “**ON**” position, and allow the Cutting Wheel Blade (8) to spin up to full speed. **(See Figure G.)**
7. Check to make sure the Cutting Wheel Blade (8) is picking up water from the Tray (17). If not, turn off the Tile Saw. Unplug the machine, and refill the Tray to the appropriate level. Then, restart the Tile Saw. **(See Figure G.)**
8. Place the workpiece you are cutting firmly against the Cutting Guide (57), and slowly feed the workpiece into the revolving Cutting Wheel Blade (8). **(See Figure G.)**
9.  **CAUTION!** Make sure to keep hands and fingers away from the Cutting Wheel Blade (8). Also, make sure to hold the workpiece you are cutting firmly against the Cutting Guide (57) throughout the cutting process. Failure to do so may cause the workpiece to be propelled by the Cutting Wheel Blade toward your body and/or into the Tile Saw. **(See Figure G.)**
10. Once the cut is complete, turn the Power Switch (21) to its “**OFF**” position. Unplug the Power Cord/Plug (34) from its electrical outlet. Allow the Cutting Wheel Blade (8) to stop on its own. Then, remove the workpiece and any scrap material from the Table (51) of the Tile Saw. **(See Figure G.)**
11. Remove and empty the Tray (17) of its contents, and thoroughly rinse the Tray with clean, cold water. Then, replace the Tray. **(See Figure G.)**
12. Make sure to store the Tile Saw in a safe, clean, dry location out of reach of children and other unauthorized people.

## INSPECTION, MAINTENANCE, AND CLEANING

1.  **WARNING!** Always turn the Tool Saw's Power Switch (21) to its "OFF" position and unplug the tool from its electrical outlet and before performing any inspection, maintenance, or cleaning.
2. **Before each use:** Inspect the general condition of the Tile Saw. Check for misalignment or binding of moving parts, loose, cracked or broken parts, damaged Power Cord, and any other condition that may affect its safe operation. If a problem occurs with the Tool Saw, have the problem corrected before further use. **Do not use damaged equipment.**
3. **To install a Cutting Wheel Blade (8):**
  - A. Make certain power is disconnected and the power switch is in the "OFF" position.
  - B. Empty the Tray (17). Turn it 90° (sideways) and remove it.
  - C. Remove the Screws (2) and Washers (3). Remove the Front Cover (1), and Rear Blade Cover (58).
  - D. Use the prongs on the Spanner Wrench (59) to hold the Outside Flange (7) while you use the Nut Driver (60) to remove the Nut (4). Remove the old Cutting Wheel Blade.
  - E. Install a new 7" diameter, 1" round arbor hole, wet, diamond-bonded Cutting Wheel Blade rated at a minimum of 8500 RPM.
  - F. Replace the Outside Flange (7) and Nut (4). Use the Spanner (59) to hold the Outside Flange (7) while you tighten the Nut (4) securely with the Nut Driver (60).
  - G. Replace the Front Cover (1), Rear Blade Cover (58), Screws (2), Washers (3), and Tray (17) in the reverse order of removal.
4. **To clean:** Wipe with a damp cloth, vacuum or use compressed air. Do not use solvents.
5. **When storing:** Store the Tile Saw in a safe, clean, dry, location out of reach of children and other unauthorized people.
6.  **CAUTION!** All maintenance, service, or repairs not listed in this manual are only to be attempted by a qualified service technician.

### PLEASE READ THE FOLLOWING CAREFULLY

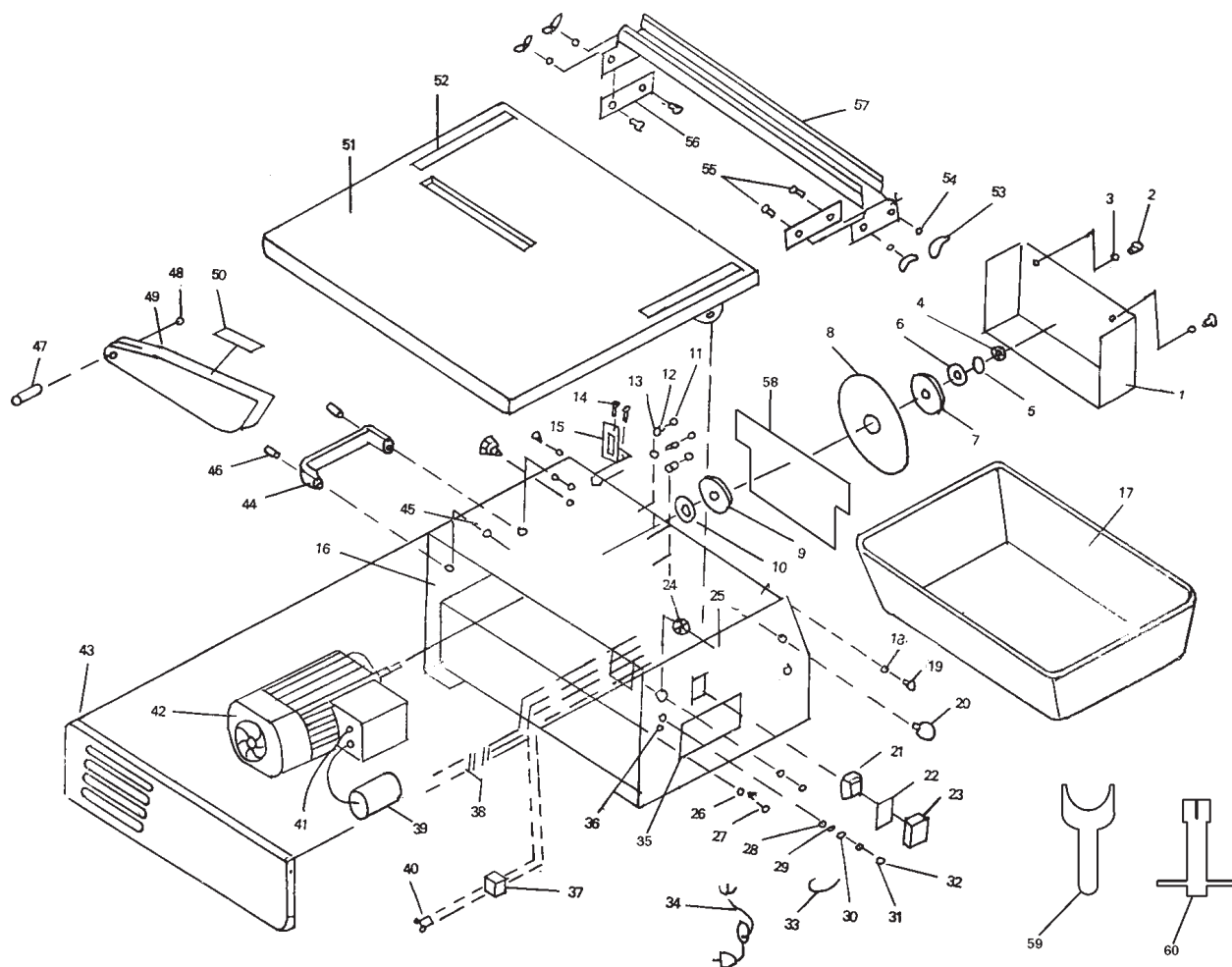
THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

### PARTS LIST

Part	Description	Part	Description	Part	Description
1	Front Cover	21	Power Switch	41	Motor Lead Wire
2	Screw (M4x10)	22	Switch Seal	42	Motor
3	Washer (M4)	23	Switch Cover	43	Rear Cover
4	Nut (M12)	24	Inlet Clip	44	Handle
5	Lock Washer (M12)	25	Rubber Collar	45	Washer (M6)
6	Washer (M12)	26	Washer (M4)	46	Bolt (M6x10)
7	Outside Flange	27	Screw (M4x10)	47	Holder
8	Cutting Wheel Blade	28	Copper Nut (M4)	48	Square Cap
9	Inner Flange	29	Lock Washer (M4)	49	Blade Guard
10	Scaling Ring	30	Washer (M4)	50	Safety Sign
11	Bolt (M5x12)	31	Cold Pressed Terminal	51	Table
12	Lock Washer (M5)	32	Copper Screw (M4x22)	52	Ruler
13	Washer (M5)	33	Insulation Line	53	Star Knob (M6)
14	Bolt (M3x6)	34	Power Cord/Plug	54	Washer (M6)
15	Splitter	35	Nameplate	55	Bolt (M6x16)
16	Inner Cover	36	Ground Sign	56	Clamping Plate
17	Tray	37	3 Hole, 10 A Connector	57	Cutting Guide
18	Nut (M6)	38	Cord Clamp	58	Rear Blade Cover
19	Bolt (M6x10)	39	Screw (M4x16)	59	Spanner Wrench
20	Star Knob (M8x16)	40	Screw (M3x16)	60	Nut Driver



## ASSEMBLY DIAGRAM



**NOTE:**

Some parts are listed and shown for illustration purposes only,  
and are not available individually as replacement parts.

## ELECTRICAL SCHEMATIC

K=Switch / D=Motor / J=Terminal / B=Thermal Protection  
L1=Main Coil / L2=Sub-Coil / C=Capacitor / H=Capacitor Box

